



NITFS

Compliance Registration



Product: Joint Surveillance Target Attack Radar System Common Ground Station
Date Group 3 03 June 2002
 Pre-Planned Product Improvement Common Software Baseline 1B
Expiration: 03 June 2004

Sponsor: Program Management Office, Joint Surveillance Target Attack Radar System
Registration #: 1015

Developer: General Dynamics Decisions Systems, Inc., Harris Corporation, Science Application International Corporation, British Aerospace Electronics Systems, Inc.

- Initial Registration
- Supplemental/Update 100
- Derived from Reg. #

Complexity Level						
NITF 2.1 CLEVEL						
Interpret	3	5	6	7	8	9
Generate						
NITF 2.0 CLEVEL						
Interpret	1	2	3	4	5	6
Generate						

Configurations Tested:

- Sun Enterprise 4000 Server/Solaris 2.7

Joint STARS NITF Components:

- Exploitation Engine Client for Secondary Imagery Dissemination
- Graphical Component Secondary Imagery Dissemination
- TDP Image Processing and Exploitation Library
 - CIB to NITF Component
 - Image Post Processing Manager
- VITec ELT 5.9.2

System
N-0105/98, §4.1.1

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

** NITF 2.0 feature

* NITF 2.1 feature

NITFS Features Implemented:

Format

- NITF
- v2.1
- v2.0
- v1.1
- NSIF
- v1.0

Pixel Value Types

- Boolean
- Integer
- Signed Integer *
- IEEE Real *
- IEEE Complex *

Annotation Segment Type

- Bit Mapped **
- CGM, 2301
- CGM, 2301A
- Labels **

Text Segments

- STA
- UT1
- U8S
- MTF

Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR

Image Compression

- Not Compressed
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Bi-Level
- Vector Quantization
- Multispectral JPEG, Individual Band

Data Extension Segments

- TRE OVERFLOW
- STREAMING FILE HEADER
- Controlled Extensions **
- Registered Extensions **

Tagged Record Extensions

- IOMAPA
- RPF
- BLOCKA

Registration does not guarantee that a product will meet all users' requirements.

Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

CHRISTOPHER K. LONG, Acting Division Chief
 Joint Interoperability Test Command
 Executive Agent to National Imagery & Mapping Agency
 for the NITFS Test and Evaluation Program